



AVOX Systems

AVOX Systems Inc. (Formerly Scott Aviation, Inc.)
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New website address: www.avoxsys.com

SERVICE INFORMATION LETTER

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OXYGEN - ATA CHAPTER 35

VENDOR CODE: 53655

P/N 801307 SERIES - STATIONARY CYLINDER AND VALVE ASSEMBLY

SCOTT AVIATION RECOMMENDS FOR AN OVERHAUL:

- OVERHAUL PERIOD,
- MINIMUM NECESSARY PARTS TO REPLACE,
- KITS OF MINIMUM NECESSARY PARTS TO REPLACE, AND
- NECESSARY FUNCTIONAL TESTS AFTER AN OVERHAUL

1. BACKGROUND

This SIL is issued by Scott Aviation because of customer request. This SIL recommends the overhaul period for the 801307 Series Stationary Cylinder and Valve Assembly (CVA). This SIL identifies the minimum parts to be replaced during an overhaul. This SIL contains facts about a kit that contains all of the minimum necessary parts to be replaced in an overhaul. This SIL gives information about functional testing required after an overhaul. This SIL does not change any procedures in the CMM.

You are given authority to make copies of this SIL and give them to other persons. If you make a copy of this SIL, you must make a copy of all of the SIL.

2. EFFECTIVITY

A. Aircraft

Any aircraft that uses the Scott 801307 Series Stationary Cylinder and Valve Assembly (CVA).

B. Stationary Cylinder and Valve Assembly (CVA)

Any Scott 801307 Series CVA (or the oxygen valve only).

C. Component Maintenance Manual (CMM)

Scott CMM 35-21-57 (current revision 5 dated Sep 01/99) is necessary to do an overhaul. After the CMM is revised to incorporate this SIL, this SIL will not be applicable to the CMM. See Section 5 of this SIL on how to contact Scott Aviation for revision status of technical publications.



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3. SCOTT AVIATION RECOMMENDS FOR AN OVERHAUL:

A. Overhaul Period

- (1) Do an overhaul every six years (i.e., when every other hydrostatic test of the cylinder is done) or more frequently for the 801307 Series CVA, except for the 801307-25 CVA.
- (2) Do an overhaul every five years (i.e., when the hydrostatic test of the cylinder is done) or more frequently for the 801307-25 CVA.

B. Minimum Necessary Parts to Replace for an Overhaul

Overhaul Kit P/N 806012-01 contains the minimum necessary parts to replace for an overhaul of the 801307 Series CVA. Refer to Table 1. You must replace other parts if they are defective.

C. Functional Tests that are Necessary After an Overhaul

You must do all the functional tests in the CMM after you do an overhaul on the 801307 Series CVA. You must follow all applicable procedures in the CMM when you do an overhaul. This SIL does not change the test procedures in the CMM.

4. ACCOMPLISHMENT INSTRUCTIONS

An overhaul must be done by personnel knowledgeable in the repair of high-pressure aviation oxygen equipment. An overhaul must be done in a facility that is approved for the repair of high-pressure aviation oxygen equipment. Contact Scott Aviation for locations of repair facilities authorized to repair Scott oxygen equipment. See Section 5 of this SIL for contact instructions.

You must use all the necessary special tools and test equipment recommended in the CMM. Equivalent special tools and test equipment may be substituted. All tools and test equipment used to repair high-pressure aviation oxygen equipment must be calibrated. You must do the calibrations how and when your applicable national standards organization recommends. You must use tools that are clean for oxygen use.

- A. Use the CMM and this SIL to do an overhaul of the CVA.
- B. Write in your aircraft logs that an overhaul was done on the CVA.



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TABLE 1

PARTS CONTAINED IN
OVERHAUL KIT P/N 806012-01
FOR THE 801307 SERIES CVA

(Refer to Note 1)

KIT ITEM NUMBER	PART NUMBER	NOMENCLATURE	QUANTITY PER KIT
1	801420-00	FILTER ASSEMBLY	1
2	801417-01	SEAT, W/ FILTER	1
3	801581-00	KIT, SEAL REPLACEMENT (Refer to Note 2)	1
4	22427-01	PLATE, IDENTIFICATION	1
5	10003578	WASHER (PTFE) (0.607 in. OD x 0.512 in. ID x 0.035 in. THICK)	1
6	10006001	DISC, SAFETY (BRONZE COLOR)	1
7	6555-00	GASKET	1
8	18070-00	PACKING, PREFORMED (ALT SPN 2800C6C)	2
9	22152-01	RING, BACKUP	2
10	22152-02	RING, BACKUP	1

Note 1: The overhaul kit contains the minimum necessary parts to replace in an overhaul of one 801307 Series CVA. See Section 5 of this SIL for instructions to buy an overhaul kit.

CAUTION: USE ONLY THE SEAL REPLACEMENT KIT, ITEM 3 ABOVE. IN THE SEAL REPLACEMENT KIT, THE SEAL HAS BEEN PREPARED FOR USE WITH SPECIAL TOOLS BY SCOTT AVIATION. THE SEAL REPLACEMENT KIT HAS A PROTECTIVE SLEEVE TO USE WHEN YOU INSTALL THE SEAL. IF YOU DO NOT USE THE SEAL REPLACEMENT KIT YOU CAN CAUSE DAMAGE TO THE SEAL AND CAUSE LEAKAGE OF OXYGEN FROM THE CVA.

Note 2: The seal replacement kit includes an installation sleeve (for use one time only) and instructions.



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5. TO CONTACT SCOTT AVIATION:

- A. To get an overhaul of a 801307 Series CVA or to have it repaired, contact any Scott Authorized Repair and Overhaul Facility. Refer to the Scott web site (www.scottaviation.com) for a list of authorized facilities.
- B. To buy kits or parts, contact any Scott Authorized Distributor. Refer to the Scott web site (www.scottaviation.com) for a list of distributors.
- C. To get technical aid, contact the Scott Technical Support Department.
 - Telephone: 1-716-683-5100
 - Fax: 1-716-681-1089
 - E-Mail: sa-customerservice@tycoint.com
- D. To get a copy of the CMM or the revision status of a publication, contact the Scott Technical Publications Department. Give the aircraft model when you send an order for a CMM copy.
 - Telephone: 1-716-683-5100
 - Fax: 1-716-681-1089
 - E-Mail: techpubs@tycoint.com
 - Publications Index: log onto www.scottaviation.com; click on Aviation/Government Products, click on Aviation Product Information, click on Technical Product Information

Note: The steps to get the Publications Index from the Scott Aviation web site can or will change in the future because of changes to the web site.

New Contact Information (September 1 , 2004):

AVOX Systems Inc. (Formerly Scott Aviation, Inc.)

New Technical Support e-mail: avoxcs@avox.zodiac.com

New Technical Publications e-mail: avoxtechpub@avox.zodiac.com

New website address: www.avoxsys.com